No.



8300019

THE UNITED STAYIES OF ANTERICAL

TO ALL TOWHOM THESE PRESENTS SHALL COME: Coldsmith Seeds, Inc.

Telliereas, there has been presented to the

Section columny of Agendicantificant

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, therefore, this certificate of plant variety protection is to grant unto the said applicant(s) and the successors, heirs or assigns of the said applicant(s) for the term of eighteen years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic seed of the variety in a public repository as provided by LAW, the right to ex-

DE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, PORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT \$42, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

MARIGOLD

'Janie Flame'

In Institution Withercot, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 21th day of January in

the year of our Lord one thousand nine hundred and eighty-four.

Ho. 1848.

Commissioner Plant Variety Protection Office Grain Ilinision

erain Dioision Agricultural Marketing Servico Secretary of Agriculture

			**		
UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE LIVESTOCK, POULTRY, GRAIN & SEED DIVISION				FORM APPROVED OMB NO. 40-R3822	
APPLICATION FOR PLANT VARIE INSTRUCTIONS: See Reverse,	TY PROTECTION	N CERTIFICATE		nt variety protection may mpleted application form J.S.C. 553).	
1a. TEMPORARY DESIGNATION OF	16. VARIETY NAME			AL USE ONLY	
VARIETY	JANIE FLAME		8300019		
2. KIND NAME	3. GENUS AND SPE	CIES NAME	FILING DATE	TIME XX.M.	
DWARF FRENCH MARIGOLD	Tagetes patula		12/6/82 FEE RECEIVED	2:30 _{P.M.}	
4. FAMILY NAME (BOTANICAL)	5. DATE OF DETERMINATION		\$ 1,000	12/6/82	
COMPOSITAE	MARCH 1979		\$ 500.00		
6. NAME OF APPLICANT(S)		and No. or R.F.D. No.,	City, State, and ZIP	8. TELEPHONE AREA	
GOLDSMITH SEEDS, INC.	P.O. Box 134			CODE AND NUMBER	
GOLDSMIIN SEEDS, INC.	2280 Hecker Pass Highway			847-7333	
9. IF THE NAMED APPLICANT IS NOT A PE	Gilroy, Cali		ED, GIVE STATE AND	11. DATE OF INCOR-	
9. IF THE NAMED APPLICANT IS NOT A PE ORGANIZATION: (Corporation, partnersh CORPORATION	ip, association, etc.)	DATE OF INCORI CALIFORNIA	PORATION	PORATION 1964	
12. NAME AND MAILING ADDRESS OF APP	LICANT REPRESENTA	ATIVE(S), IF ANY, TO	SERVE IN THIS APPLIC	ATION AND RECEIVE	
	A. GOLDSMITH				
· ·	MITH SEEDS, IN		05000		
		lroy, Californi	a 95020		
13. CHECK BOX BELOW FOR EACH ATTACH		•	•	•	
13A. Exhibit A, Origin and Bree	eding History of the	Variety (See Section :	52 of the Plant Variety	y Protection Act.)	
13B. Exhibit B, Novelty Statem	ent.				
	Section 2015 Section 2015		_	- 25	
13C. Exhibit C, Objective Descr	ription of the Variety	(Request form from	Plant Variety Protect	ion Office.)	
13D. Exhibit D, Additional Des	cription of the Varie	tv.			
A T	•				
14a. DOES THE APPLICANT(S) SPECIFY THA SEED? (See Section 83(a). (If "Yes," answ			RIETY NAME ONLY AS NO	A CLASS OF CERTIFIED	
14b. DOES THE APPLICANT(S) SPECIFY THA LIMITED AS TO NUMBER OF GENERAT	14c. IF "YES," TO 14B, HOW MANY GENERATIONS OF PRODUC- TION BEYOND BREEDER SEED?				
YES 🔯 NO	FOUNDAT		REGISTERED	CERTIFIED	
15a. DID THE APPLICANT(S) FILE FOR PROT name of countries and dates.)	ECTION OF THIS VAI	RIETY IN OTHER COU	NTRIES? TYES	NO (If "Yes," give	
	\$	And the second of the second o			
	•		•	* .	
15b. HAVE RIGHTS BEEN GRANTED THIS Va and dates.)	ARIETY IN OTHER CO	OUNTRIES? YES	XX NO (If "Yes,"	give name of countries	
				· · · · · · · · · · · · · · · · · · ·	
16. DOES THE APPLICANT(S) AGREE TO THE JOURNAL? YES	∏.NO				
17. The applicant(s) declare(s) that a viable replenished upon request in accordance				application and will be	
The undersigned applicant(s) is (are) the variety is distinct, uniform, and stable 42 of the Plant Variety Act.	he owner(s) of this se as required in Sectio	exually reproduced no n 41, and is entitled t	ovel plant variety, and to protection under th	believe(s) that the e provisions of Section	
Applicant(s) is (are) informed that fals	se representation here	ein can jeopardjze pro	otection and result in	penalties. 🔍	
Dec 1, 1982		_ Slen	m a Si	aldsmith	
(DATE)			(SIGNATURE OF APPL	ICANT)	
	Association (Control of Control o	* .		1	

(DATE)

8300019

13 A
Exhibit A
Origin and breeding history of the variety

'Janie Flame' is a selection out of pedigree:

$$GYPA-2K-1-3-2-1-(3)-(M)$$

'Janie Flame' was derived from crossing the marigold cultivar 'Janie' with two similar dwarf selections out of the cultivar 'Carmen'. Out of the resulting F_2 generation, one plant was selected for its dwarf, compact, and extremely early-flowering habit. This plant was self pollinated. In the next generation one plant was selected for its compactness and earliness, and self-pollinated. The following two generations were also produced on single plant selections through self-pollination. The following generation, which was very uniform, three similar appearing dwarf, extremely early-flowering plants were selected, self-pollinated, and the seed bulked. The seed from these plants was used to plant a 1/4 acre increase block. The seed from this increase block was used as stock seed for the first production increase.

'Janie Flame' appeared stable in the stock seed production plot and in the first generation field.

As is most, if not all, French Marigold cultivars there appears an off type, generally similar to the cultivar, but has larger flowers, and a taller, looser habit. This rogue can appear as a whole plant or as a brand mutation later in the season. The frequency is \pm 1:1000 plants.

8300019

13 B Exhibit B Novelty statement respective to a NORTH CARD

Order Colored a property of a regarded the contact The Marigold cultivar most similar to Marigold 'Janie Flame' is the variety Marigold 'Glowing Embers' However, it differs from 'Glowing Embers' in that 'Janie Flame' (1.) flowers approx. 3 to 4 days earlier. 2.) its flowers stand above the foliage, 3.) its overall plant height is at least 2 to 3 inches (5.0 to 7.5 cm) shorter, and 4.) the foliage is more coarse.

Prownh Augities dai ders ter cestoriere opgregyed armerically and deco

strana likat disas aidiperenter any signifitrant. Identify these varieties and state all differences objectively.

recognity - - - JAME STAND Under our field conditions located in Gilroy, Calfornia.

Marigold - - - JANIE FLAME TO DESCRIPT THE STATE OF STATE And secondary verification of the section.

Color: Deep mahogany red with margins of golden-yellow.

Height: 7 to 8 inches (17 to 20 cm). 1 16 1983

Flower size: 2 to 2-1/2 inches (5.0 to 6.3 cm) diameter.

Flower type: Loosely double with crest. Great 1 19. The A (10.7 cm)

following are broady denote also great

arties of Canalisher authors to config timesphere and greketherese

til og mer tre slær i er eller er er er troggereger, had er eller gjæligigigt til gelikt.

erials in Mry Creice of velor lieus sides reference \$11

Habit: Compact mound. Haber colors decry subogness set which regard of golden wyshlows

Marigold - - - JANIE

Color: Light Grange 16 - G. Garage Halles Height: 7 to 8 inches (17 to 20 cm).

STATE

Flower size: 1-1/2 to 2 inches (3.8 to 5.0 cm) diameter (3.8)

Flower type: Loosely double with high crest. He new flowers and follows so the stant

Habit: Compact, mound in the probabilities part specific artistical

Francis 18.

Marigold - - - GLOWING EMBERS at The still be trained to the time of the still be

Color: Deep mahogany red, edged with gold. The second of t

Flower size: 2 to 2-1/2 inches (5.0 to 6.3 cm) diameter.

Flower type: Crested. Habit: Compact upright. 13 B-3

Submit, if helpful, photographs of plant comparison, clearly indicating novelty.

Enclosed are the following 35mm color slides for this use:

- 1.) Comparison of JANIE FLAME vs GLOWING EMBERS ---- taken in May from our greenhouse pack trials.
- 2.) Close-up of flower heads of JANIE FLAME.

FORM GR-470-9 (9-15-72)

P

INSTRUCTIONS - See Reverse.

D. D. Christ, E. Sandert

UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE GRAIN DIVISION HYATTSVILLE, MARYLAND 20782

EXHIBIT C (Marigold) 1

OBJECTIVE DESCRIPTION OF VARIETY MARIGOLD (TAGETE)

NAME OF APPLICANT(S)	FOR OFFICIAL USE ONLY		
GOLDSMITH SEEDS, INC.	8300019		
ADDRESS (Street and No., or R.F.D. No.; City, State, and ZIP Code)			
P.O. Box 1349	VARIETY NAME OR TEMPORARY		
2280 Hecker Pass Highway	IANIE FLAME		
2280 Hecker Pass Highway Gilroy, California 95020 Common Revision Research Common Revision Revision Revision Revision Revision Revision	The Light UTIVIL I Allina		
Place the appropriate number that describes the varietal character of this variety	in the boxes below.		
Place a zero in first box (e.g. 0 8 9 or 0 8) when number is either 99 or les	ss or y or less.		
1. SPECIES TYPE: 1 = ERECTA (African) / 2 = PATULA (Frérich) / 3 = TENUII	FOLIA (Signate) 4 = LUCIDA (Sweet)		
2 5 = OTHER (Specify)			
2. PLOIDY:			
_ 	3 = TETRAPLOID (n = 24)		
1 = DIPLOID (n = 2 = TRIPLOID (n = 2 = 3 = 3 = 3 = 3 = 3 = 3 = 3 = 3 = 3	ed process (1) strains to the second		
3. PLANT TYPE/HABIT: BURENCE SAME			
	3 = SEMIDWARF 40-55 CM. 4 = TALL > 60 CM.		
1 = EXTRA DWARF (Miniature, petite) < 20 CM. 2 = DWARF 25 = 35 CM.	 Consideration of the Control of the Co		
2 1 = ERECT 2 = SEMIERECT 3 = DECUMBENT			
	 John M. C. Britan, A. C. Britan		
2 l = ERECT 2 = SEMIERECT 3 = DECUMBENT 1 l = COMPACT 2 = LAX	and the second of the second o		
	en de la composition de la composition Administration		
1 Flowering: I = LONG SEASON 2 = SHORT SEASON			
4. LEAF (Middle of first flowering branch):	et in the second of the second		
Type: I = SIMPLE 2 = COMPOUND			
2 Leaflet: 1 = OVATE 14 2 = LANCEOLATE 3 = ELLIPTIC 4	≠ FILIFORM		
The first term of the control of the			
3 Margin: 1 = ENTIRE 2 = CRENATE 3 = SERRATE 4 = DENTATE	2 = INCISED		
0 0 9 CM. LONG 5 3 MM. WIDE 1 Anthocyanin	pigment in petioles: 1 = ABSENT 2 = PRESENT		
1 Glands: 1 = PUNCTATE 2 = LARGE DOTS 1 Glands: 1	= BASAL 2 = APICAL		
And the second of the second o	and the second of the second o		
4 Odor: 1 = NONE 2 = MILD FRAGRANCE 3 = STRONG FRAGRANCE 4 =	MILD "MARIGOLD" 5 = STRONG "MARIGOLD"		
e etem.			
- 선 <u>명 ()</u>			
1 1 = STRAIGHT 2 = ZIGZAG 2 2 1 = BRITT			
	OM BASE OF STEM TO INVOLUCRE RMINAL FLOWER		
CM. FROM BASE OF MAIN STEM	OM AXIL OF TOP BRANCH TO INVOLUCRE RMINAL FLOWER		
0 1 NO. OF INTERNODES BELOW FIRST BRANCH 0 5 NO. OF	FIRST ORDER BRANCHES (from main stem)		
6. FLOWER:			
	ested The Designation of the Control		
2 - DOUBLES			
2 = DOUBLES 1			
3 Silhoutte: 1 = FLATTENED 2 = ROSETTE 3 = GLOBULAR	6		
	MILD "MARIGOLD" 5 = STRONG "MARIGOLD"		

FORM GR-470-9 (R	EVERSE)			8300019
6. FLOWER: (Con	timued) game days as each	"我"。"我们是我们是我们的。"	新军民主持尼亚 生产量	mud marroclo 5 - stacks marroly:
Ray:	1 = FLATTÉNED 2 = CU			
Apices:	I = ENTIRE 2 = LOE	·		
2 SURFACE - I	Dorsal: J. J	正元素(國際型) 	and the second s	and with grant and publish and a more more appropriate and the companion of a finite or companion of the more among the contractions.
2 SURFACE - V	} I≈ GLABROU	_	ENT 3=PUE	BESCENT ON APICE ONLY
2 LUSTER - D		•	A market of	医环状元素 化磺胺基酚 医斯克勒氏征 经收益 海绵病 海绵病 计特别的
	entraile (a) somme susse	Z ≈ BULL:	化基金 医皮肤病 化二氯化甲二二二甲二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二	(4) 新生产 医自含物多数 1867 罗克(4) 经金 上型层 表示(5),12、12、12、12、12(12)
T D. TTTDY	Park Barrier Lambara			(中国内の) ひき 3.3 かな トロ (14 5 5 7 7 1 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7
PATTERN - I	Jorsal: 1 - SOLIU	Deep maho		golden-yellow margin
5 PATTERN -	Ventral:) 4 = PICOTEE Center: Yel	5 = OTHER Or14A/Or28A	(<i>Specity</i>) /Red43A/Greyd	-Or169A
		The second secon		· · · · · · · · · · · · · · · · · · ·
Z Color: I	Margin: 0r2 = SOLID 2 = BICOLOR (Spe	cify colors): Primar ೯) ಾಗಿಸಿಕಾಗಿಗೆ ಕ	(see above	R.H.S. Color Chart
ranger (n. 1865). Paragraphical designation of the second	of first matured flower): 2	State o	profession of the same of the	- 題本544」 - 子 2 4 4545 454
SIZE (Use outer row	of first matured flower): 2	6 MM. LONG	5 3 MM. WID	
3 Disc:	= ABSENT 2 = PRESE	NT, COVERED	3 + PRESENT, U	NCOVERED PROTECTION OF A SERVICE OF THE SERVICE.
2 Type: 1	= NOT QUILLED 2 = €	QUILLED	1 0871548	2 BC686
7. DISEASE RESIS	TANCE (0 = Not Tested): 1 = Su	sceptible; 2 = Resis	rantile to	ell ta Day
0 ROOT-ROT (Phytophthora)		0 VIRUS YELL	ows
0 GREY MOLD	(Botrytis)		0 FUSARIUM WI	ILT
	clerotinia)		WITCHES BR	004
	CIETY THAT MOST NEARLY		0 1110023 50	OOM
CHARACTER	VARIETY		CHARACTER	VARIETY
Plant shape	Janie		Flower size	Glowing Embers
Plant size	Janie	्र विकित्यों एक्या क्या क्या क्या क्या क्या क्या क्या	Flower shape	Honeycomb/Glowing Embers
Foliage	Janie	ar Jan	Flower color	Honeycomb/Glowing Embers
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and the second second second second	the control of the co	nav he used as a re	ference aid for com	apleting this form:
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· · · · · · · · · · · · · · · · · · ·	b) Royal Horticulture Socie	ty, 1965, Dictionar	of Gardening, Oxf	ords species of the state of the species of the spe
	c) Wyman, Donald, 1971, Wy			
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